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(54) [考案の名稱] 保持具

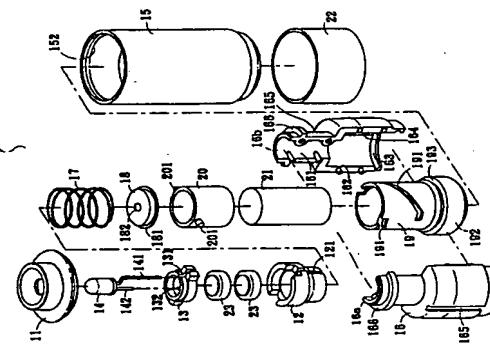
(57) [要約]

【範囲】玩具、文房具、化粧品等の保持体に発光体を設け、使用者に視覚上の興奮を起させようとした。

【解説】円筒形のボディ1の上端に取付けた上部蓋9と、上部蓋9の上端部に保持され、上端開口部より内方に伸入された保持体20と、保持体20の基端部が装着されその先端部がホルダ19の下端開口部より突出させた保持体21と、保持体21から構成し、保持体21の使用時に保持キヤンプ22とから構成し、保持体21と導通させ、発光体14を点灯するようにした。

を形成して該保持体が外れて下方に離脱しないようすることを特徴とする請求項1に記載の保持具。
【請求項3】前記保持部は円筒に形成され、内部に複数の電池を並列接続して取扱し、該保持部の上部に発光体固定部を設け、該保持部と発光体固定部との間に保持部がボディ1の片面下端に形成した底部に係りて抜け止めが複数され、且つ2分離体により形成されると共に、前記各分離体の対向位置に上下方向に形成されたガード溝を有する保持部と、前記保持部内部に設置された螺旋状のガイド17群を有するホルダと、該ホルダの上端部に保持され、上端開口部より内方に伸入された保持体10と、該保持部に基端部が装着され、且つその先端部が前記ホルダの下端開口部より突出させた保持部と、該保持部を保護するための保護キャップからなり、前記保持部の使用時は前記キャップに於いて発光体の接続端子と電池とを導通させ、発光体を点灯するようにしてことを特徴とする保持具。
【図1】この考案の保持具に関する実施の形態を示す分解説明図である。
【図2】図1による保持具の全体状態図である。
【図3】図2中の中央断面図である。
【図4】この考案による保持具の一実施の形態における分解説明図である。
【図5】図4における保持部と螺旋状の一部切欠き底面図である。
【図6】図4における保持部と螺旋状の一部切欠き底面図である。
【図7】図4における保持部と螺旋状の一部切欠き底面図である。
【図8】図7における保持部とボディとの関係を要する一部切欠き底面図である。
【図9】この考案における発光保持体を説明するものの部切欠き斜視図である。
【図10】この考案における発光保持体と保持部との組合せ、発光部が発光部面にある一部斜面図である。
【図11】この考案の一実施の形態における中央断面図である。
【図12】この考案の保持具の変形例を示すもので、透明のフレアを上部蓋部に設けた状態を示す斜視図である。
【図13】この考案における発光保持体と螺旋状の一部切欠き底面図である。

ことを特徴とする請求項1に記載の保持具。
【請求項3】前記保持部は円筒に形成され、内部に複数の電池を並列接続して取扱し、該保持部の上部に発光体固定部を設け、該保持部と発光体固定部との間に保持部がボディ1の片面下端に形成した底部に係りて抜け止めが複数され、且つ2分離体により形成されると共に、前記各分離体の対向位置に上下方向に形成されたガード溝を有する保持部と、前記保持部内部に設置された螺旋状のガイド17群を有するホルダと、該ホルダの上端部に保持され、上端開口部より内方に伸入された保持体10と、該保持部に基端部が装着され、且つその先端部が前記ホルダの下端開口部より突出させた保持部と、該保持部を保護するための保護キャップからなり、前記保持部の使用時は前記キャップに於いて発光体の接続端子と電池とを導通させ、発光体を点灯するようにしてことを特徴とする保持具。
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【図8】図7における保持部とボディとの関係を要する一部切欠き底面図である。
【図9】この考案における発光保持体を説明するものの部切欠き斜視図である。
【図10】この考案における発光保持体と保持部との組合せ、発光部が発光部面にある一部斜面図である。
【図11】この考案の一実施の形態における中央断面図である。
【図12】この考案の保持具の変形例を示すもので、透明のフレアを上部蓋部に設けた状態を示す斜視図である。
【図13】この考案における発光保持体と螺旋状の一部切欠き底面図である。





【考案の詳細な説明】

【0001】

【考案の属する技術分野】

この考案は、例えば、消しゴム、スタンプなどの文房具、もしくは口紅やリップクリームなどの化粧品類を保持体で保持し、かつ保持体内で該保持体が自在にスライドして被保持物を使用するための保持具に係り、特に、該保持具がさらに発光体による発光機能を備えた興味深い保持具に関するものである。

【0002】

【従来の技術】

玩具、文房具、もしくは化粧品において、被保持物を保持体で保持し、かつ該保持体が保持体内で自在にスライドして被保持物を使用する保持具は、目下各種の用途に商品化されている。その被保持物には、例えば、消しゴム、口紅、リップクリーム、もしくはスタンプなどがある。

【0003】

【考案が解決しようとする課題】

これらの商品は、被保持物を使用する場合のみ被保持物を露出させ、且つ使用しない場合には保持体によって保護する効果を有するが、その他の付帯効果は何ら備えておらず、特に玩具としての用途に対しては、單調で面白味に欠ける。

この考案は、前記保持具に発光体を備えることによって、使用上の面白味を加えた保持具を提供することを目的とする。

【0004】

【課題を解決するための手段】

この考案の請求項1に係る保持具は、円筒形のボディの上端に取付けた上部蓋体と、該上部蓋体内に組み込まれる発光機能成体と、前記円筒形のボディ内にハネによって常時下方に付勢され、前記ボディの内面下端に形成した段部に係止され抜け止めが規制され、且つ2分割体により形成されると共に、前記各分割体の対向位置に上下方向に形成されたガイド溝を有する保持体と、前記保持体の内部に配設された螺旋状のガイド溝を有するホルダと、該保持体が基端部に保持され、上端開口部より内方に挿入された保持体と、該保持体に基端部が接着され、且

つその先端部が前記ホルダの下端開口部より突出させた被保持物と、被保持物を保護するための保護キャップとからなり、前記被保持物の使用時は前記ハネに抗して発光機能成体の金属キャップを押し上げて、発光体の接続端子と電池とを導通させ発光体を点灯するようとしたものである。

【0005】

請求項2の考案は、請求項1に記載の保持具において、前記発光機能成体は、上部蓋体内に組み込まれる支持座と、発光体固定座と、発光体と、前記発光機能成体と前記保持体との間に設けられる金属キャップ及びハネとからなり、前記保持体は前記ボディ内に設けられ、左右対称の2分割された分割体互いに嵌着してなり、かつ保持体内部を中空に形成し、上段を直径の狭い中空ネック部とし、下段を直径の長い中空収納部とし、該中空収納部の下端縁には内周に沿って凹溝を形成し、またそれの分割体の内壁には、左右対称する位置にそれぞれ縦方向のガイド溝を形成し、さらに外壁にも、縦方向にガイド溝を形成し、前記ホルダは前記保持体の中空収納部内に収納し、ホルダ自体は中空の円柱状に形成し、その上端から下方に螺旋状のガイド溝を2本形成し、下端縁には外壁の円周に沿って外部に突出した係止部を形成し、該係止部が保持体の下端縁に当接し、係止部の上部には円周に沿って当接凸部を形成し、該当接凸が該保持体の内壁の凹溝に嵌合することによって、ホルダが保持体内に固定され、保持体から外れて離脱することなく、かつ自在に回動し、また、円柱状の被保持物は前記保持体に嵌着され、前記保持体の外壁には対向する位置にそれぞれ左右対称のガイド突起を形成し、該ガイド突起はそれを前記ホルダの螺旋状のガイド溝を貫通して保持体の縦方向のガイド溝内に至り、前記ボディの内壁には対向する位置に左右対称のガイド突起をそれぞれ形成して前記保持体の外壁に形成された縦方向のガイド溝内に挿入し、保持体がボディ内にあって縦方向に上下運動のみを行い、回動することができないようになり、また、ボディの内壁上端縁には円周に沿って突出部を形成し、該突出部を上部蓋体をボディの上端に固定し、かつボディの下端部には、円周にそつて内壁がせり出し、内径を狭くする段部を形成して該保持体が外れて下方に離脱しないようすることを特徴とする。

【0006】

請求項3の考案は、請求項2に記載の保持具において、前記支持座は空中に形成され、内部に複数の電池を直列に配設して収納し、該支持座の上部には発光体固定座を設け、該支持座と発光体固定座との側面には、それぞれ縦方向の切欠溝を形成し、前記発光体の逆し字状に折り曲げた長い接続端子を、それぞれの切欠溝に収納し、また発光体のもう一方の短い接続端子を発光体固定座中央に穿設した小さい孔部を通して穿通させて字状に折り曲げて、電池の電極端に接触させたことを特徴とする。

【0007】

【考案の実施の形態】

以下、この考案の保持具の一実施の形態を、図1～図11を参照して詳述する。

図1及び図2は、この考案による保持具10を分解した状態と、組み立てた状態をそれぞれ表わす斜視図である。

図示によれば、この考案による保持具10は、上部蓋体11と、該上部蓋体11内に組み込まれる発光体構成体100と、内部中空の円筒形のボディ115と、保持体16と、螺旋状のガイド溝を有するホルダ19と、保持体20と、該保持体20に挿設される被保持物21と、被保持物21を保護するための保護キャップ22と、から構成されている。

【0008】

前記上部蓋体11に組み込まれる発光体構成体100は、支持座12と、発光体固定座13と、発光体14と前記支持座12と保持体16との間に設けたバネ17及び通電用接片となる金属キャップ18とで構成される。

【0009】

図3は、この考案による保持具10の断面図であり、図4は保持体16と、ホルダ19と、保持体20との関係を示す説明図である。

【0010】

図4に示すように、前記保持体16は左右対称に2分割された分割体16aと16bとを組立ててホルダ19を内部に収納し(図7参照)、また保持体20の2つ

で使用する。

【0011】

前記保持体16は、内部を中空に形成し、上段を直径の狭い中空ネック部161とし、下段を直径の長い中空収納部162とし、該中空収納部162の下端縁には、内周に沿って凹溝163が形成されている。

また、前記分割体16aと16bとの内壁には、左、右対称位置に縦方向のガイド溝164がそれぞれ形成され、さらに外壁にも、縦方向にガイド溝165がそれぞれ形成されている。

【0012】

前記ホルダ19は前記保持体16の中空収納部162内に収納されるもので、前記ホルダ19は中空の円柱状に形成し、その上端から下方に螺旋状のガイド溝191を2本形成し、下端縁には外壁の円周にそって外部に突出した保持部192を形成し、図3に開示するように該保持部192は保持体16の下端縁が保持される。

また、保持部192の上部には円周に沿って当接突部193を形成し、該当接突部193が保持体16の内壁に形成した凹溝163に嵌合することによって、ホルダ19が保持体16内に回動自在に装着される。

また、円柱状の被保持物21(例えば、消しゴム、口紅、リップクリーム、クレヨン、スタンプなど)は、その基部がホルダ19の下端開口部内に取付けられると共に、保持体20の外壁上端に形成した左右対称のガイド突起201をホルダ19の螺旋状のガイド溝191を貫通して保持体16の縦方向のガイド溝164内嵌合させようになっている。

【0013】

前記保持体16と、ホルダ19と、保持体20の結合と関係と、組立ての過程を、図5、図6、図7に開示する。

先ず、円柱状の被保持物21を保持体20の基部に嵌合し(図5参照)、次に保持体20のガイド突起201をホルダ19の螺旋状のガイド溝191上端部からガイド溝内に挿入し(図6参照)、さらに保持体16である分割体16aと16bとを組立ててホルダ19を内部に収納し(図7参照)、また保持体20の2つ

のガイド突起201を縦方向のガイド溝164、165内に挿入する。

【0014】

以上の組合せによって、保持体20は、ホルダ19の回転にともなって前記ガイド溝161に沿って上下にスライドする。よって、円柱状の被保持物21が損耗した場合、もしくは被保持物の露出部分をさらに長くしたい場合には、ホルダ19を時計方向に回転させ、その逆の場合には、ホルダ19を逆方向に回転させればよい。

【0015】

図8に、前記の組立てが完成した挟持体16をボディ15内に挿入する状態を一部断面図にて開示する。

図示によれば、ボディ15の内壁には対向する位置に左右対称のガイド突起151をそれぞれ形成し、挟持体16の外壁に形成された縦方向のガイド溝165内に挿入する。このため、挟持体16はボディ15内にあって縦方向に上下運動のみを行い、回動することができなくなる。

【0016】

また、ボディ15の内壁上端縁には円周に沿って突出部152を形成し、該突出部152は上部蓋体11の外壁に円周に沿って形成された凹溝111内に嵌合し(図3参照)、上部蓋体11がボディ15の上端に固定されるようになる。

また、ボディ15の下端部には、円周に沿って内壁がせり出し、内径を狭くする段部153が形成され、挟持体16が外れて下方に離脱しないようにする(図3参照)。

また、図3に開示するように、挟持体16の上端を金属キャップ18で覆い、該金属キャップ18は、下端縁に円周に沿ってつば部を形成し、該つば部181は挟持体16の外壁上端に円周に沿って形成されたフランジ166上に支持される。

【0017】

さらに、金属キャップ18のつば部181と、保持座12との間にバネ17を挿設する。また、金属キャップ18の上端面の中央の位置には接触突起182が形成される。

【0018】

図9、図10に、この考案の保持具10の上端部の断面図を開示する。

保持座12は中空に形成され、内部に電池23を2つ直列して収納する。保持座12の上部には発光体固定座13を設ける。保持座12と発光体固定座13の側面には、緯力向の切欠溝121、131がそれぞれ形成され、発光体14の逆L字状に折り曲げた長い接続端子141を該切欠溝121、131に収納する。また、もう一方の短い接続端子142は、発光体固定座13の中央に穿設された小さい孔部132を通過してL字状に折り曲げられて電池23の電極端に接触する。

【0019】

挟持体16上の金属キャップ18は、常時バネ17の付勢力によって接触突起182が電池23に接触しない離脱状態となっている(図9参照)。挟持体16が下方から押上げられて上昇すると、金属キャップ18の接触突起182が電池23に接触し、発光体14に通電して発光する(図10参照)。

【0020】

図11にこの考案による保持具の使用状態を示す。この考案の保持具10の保護キャップ22を取り外し、下端の円柱状の被保持物21を平面上に押し付けると、挟持体16がバネ17に抗して上昇し、金属キャップ18の接触突起182が電池23の電極端に接触し、発光体14が通電によって発光し、この発光作用によって保持具10の使用者に面白味を感じさせることができる。

【0021】

また、円柱状の被保持物21に対する押圧を解除すると、挟持体16はバネ17の付勢力によって本来の保管状態に戻り、発光体14が消灯する。よって、この発光作用によって被保持物21が押圧を受けているか否かを知ることができる。

また、図12に開示するように、各種デザインの透明材質の飾りカバー24をボディ15の上部蓋体11上に嵌着すると、発光体14の光線の屈折効果が得られる。

さちに、この考案の保持具10の全体形状を小さくすることによって、子供用のアクセサリとしてもでき、携帯に便利となる。

【0022】

【考案の効果】

この発明による保持具は、円筒形のボディの上端に取付けた上部蓋体と、該上部蓋体内に組み込まれる発光構成体と、前記円筒形のボディ内にバネによつて當時下方に付勢され、前記ボディの内面下端に形成した段部に係止されて抜け止めが規制され、且つ2分割体により形成されると共に、前記各分割体の対向位置に上下方向に形成されたガイド溝を有する抉持体と、前記抉持体内部に配設された螺旋状のガイド溝を有するホルダと、該ホルダの上端部に保持され、上端開口部より内方に挿入された保持体と、該保持体に基部部が装着され、且つその先端部が前記ホルダの下端開口部より突出させた被保持物と、被保持物を保護するための保護キャップとかなり、前記被保持物の使用時は前記バネに抗して発光構成体の金属キャップを押し上げて、発光体の接続端子と電池とを導通させ発光体を点灯するようにした構成としたので、以下のような効果を有する。

- 1) この発明の保持具10を使用する際に被保持物21が押圧を受けると、発光体に通電して発光する。このため、使用者に興味を感じさせることができる。
- 2) 形状が小さく携帯に便利であるため、児童のアクセサリなどに適する。
- 3) 組合わせの構造が堅固で安定性が高く、破損しにくく、かつ使用上便利である。

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CLAIMS

[Utility model registration claim]

[Claim 1] The up lid attached in the upper limit of the body of a cylindrical shape, and the luminescence construct incorporated in this up lid. While always being caudad energized with a spring in the body of said cylindrical shape, being stopped by the step formed in the inside lower limit of said body, escaping, and regulating a stop and being formed of the segmenter for 2 minutes. The pinching object which has the guide slot formed in the opposite location of each of said division object in the vertical direction, The holder which has the spiral guide slot arranged in the interior of said pinching object, and the supporter which was held at the upper limit section of this holder, and was inserted in the method of inside from upper limit opening. The held object which this supporter is equipped with the end face section, and the point made project from lower limit opening of said holder. It is the holder characterized by consisting of a protective cap for protecting a held object, resisting said spring at the time of use of said held object, it pushing up the metal cap of a luminescence construct, making it flow through the connection terminal and cell of an emitter, and making it turn on an emitter.

[Claim 2] The support seat by which said luminescence construct is incorporated in an up lid, and an emitter fixed seat, it consists of the *** cap and spring which are prepared between an illuminant, and said illuminant fixed seat and said pinching object. It comes to attach in division object each other to whom said pinching object was established in said body, and 2 ***s of bilateral symmetry were carried out. And form the interior of a pinching object in midair, and an upper case is made into the hollow neck section with a narrow diameter. The lower berth is made into the hollow stowage where a diameter is long, and a concave is formed in the lower limit edge of this hollow stowage along with inner circumference. To the wall of each division object. The guide slot on the lengthwise direction is formed in the location which carries out bilateral symmetry, respectively. Further also in an outer wall. Each form and said holder is contained in the hollow stowage of said pinching object, a lengthwise direction — a guide slot — Form the holder itself in the shape of [in the air] a cylinder, and it forms two spiral guide slots caudad from the upper limit. When the stop section projected outside in accordance with the periphery of an outer wall is formed in a lower limit edge, this stop section contacts the lower limit edge of a pinching object, contact heights are formed in the upper part of the stop section in accordance with a periphery and this contact convex fits in the concave of the wall of this pinching object. Without fixing a holder to the pinching inside of the body, separating and seceding from a pinching object. And rotate free and cylinder-like a held object is attached in said supporter. The guide projection of bilateral symmetry is formed in the location which counters the outer wall of said supporter, respectively. This guide projection penetrates the spiral guide slot of said holder, respectively, and results in guide Mizouchi of the lengthwise direction of a pinching object. It inserts in guide Mizouchi of the lengthwise direction which formed the guide projection of bilateral symmetry in the location which counters the wall of said body, respectively, and was formed in the outer wall of said pinching object. A pinching object is in the body, and only moves up and down to a lengthwise direction, and it becomes impossible to make it not rotate. Moreover, an up lid is fixed to the upper limit of the body by fitting into the concave which forms a lobe in the wall upper limit edge of the body in accordance with a periphery, and is formed in

the outer wall of an up lid in accordance with a periphery in this lobe. And the holder according to claim 1 characterized by carrying out as [break away / meet a periphery, and a wall pushes out in the lower limit section of the body form in it the step which narrows a bore, and this pinching object separates, and / caudad].

[Claim 3] Said support seat is formed in midair, and arranges and contains two or more cells to a serial inside, and an emitter fixed seat is prepared in the upper part of this support seat. In the side face of this support seat and an emitter fixed seat The long connection terminal which formed the notching slot on the lengthwise direction respectively, and was bent to inverse L-shaped [of said emitter] The holder according to claim 2 characterized by having passed the small pore which contained into each notching slot and drilled another short connection terminal of an emitter in the center of an emitter fixed seat, having bent in the shape of L character, and making the electrode edge of a cell contact.

[Translation done.]

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DETAILED DESCRIPTION

[Detailed explanation of a design]

[The technical field to which a design belongs]

the interest which this design held cosmetics, such as stationery, such as a rubber and a stamp, or a lip stick, and a lip cream, by the supporter, and related to the holder for this supporter sliding free within a supporter and presenting use with a held object, and this holder equipped with the luminescence function by the emitter further especially — it is related with a deep holder.

[0002]

[Description of the Prior Art]

In a toy, stationery, or cosmetics, the holder which a held object is held by the supporter, and this supporter slides free within a supporter, and presents use with a held object is commercialized by the application of now various kinds. A rubber, a lip stick, a lip cream, or a stamp is one of the held object.

[0003]

[Problem(s) to be Solved by the Device]

Although these goods expose a held object only when using a held object, and it has the effectiveness protected by the supporter in not using it, it does not have the other incidental effectiveness at all, but especially to the application as a toy, it is monotonous and lacks in enjoyment. This design aims at offering the holder which added the enjoyment on use by equipping said holder with an emitter.

[0004]

[Means for Solving the Problem]

The up lid which attached the holder concerning claim 1 of this design in the upper limit of the body of a cylindrical shape. While always being caudad energized with a spring in the luminescence construct incorporated in this up lid, and the body of said cylindrical shape, being stopped by the step formed in the inside lower limit of said body, escaping, and regulating a slot formed and being formed of the segmenter for 2 minutes. The pinching object which has the guide slot formed in the opposite location of each of said division object in the vertical direction. The holder which has the spiral guide slot arranged in the interior of said pinching object. The supporter which was held at the upper limit section of this holder, and was inserted in the method of inside from upper limit opening. The held object which this supporter is equipped with the end face section, and the point made project from lower limit opening of said holder. It consists of a protective cap for protecting a held object, and said spring is resisted at the time of use of said held object, it pushes up the metal cap of a luminescence construct, and makes it flow through the connection terminal and cell of an emitter, and it is made to turn on an emitter.

[0005]

The design of claim 2 is set to a holder according to claim 1. Said luminescence construct it consists of the **** cap and spring which are prepared between the support seat incorporated in an up lid, an emitter fixed seat, an emitter, and said support seat and said pinching object.

It comes to attach in division object each other to whom said pinching object was established in said body, and 2 ****s of bilateral symmetry were carried out. And form the interior of a pinching object in midair, and an upper case is made into the hollow neck section with a narrow diameter. The lower berth is made into the hollow stowage where a diameter is long, and a concave is formed in the lower limit edge of this hollow stowage along with inner circumference. To the wall of each division object The guide slot on the lengthwise direction is formed in the location which carries out bilateral symmetry, respectively. Further also in an outer wall Each form and said holder is contained in the hollow stowage of said pinching object, a lengthwise direction — a guide slot — Form the holder itself in the shape of [in the air] a cylinder, and it forms two spiral guide slots caudad from the upper limit. When the stop section projected outside in accordance with the periphery of an outer wall is formed in a lower limit edge, this stop section contacts the lower limit edge of a pinching object, contact heights are formed in the upper part of the stop section in accordance with a periphery and this contact convex fits in the concave of the wall of this pinching object. Without fixing a holder to the pinching inside of the body, separating and seceding from a pinching object And rotate free and cylinder-like a held object is attached in said supporter. The guide projection of bilateral symmetry is formed in the location which counters the outer wall of said supporter, respectively. This guide projection penetrates the spiral guide slot of said holder, respectively, and results in guide Mizouchi of the lengthwise direction of a pinching object. It inserts in guide Mizouchi of the lengthwise direction which formed the guide projection of bilateral symmetry in the location which counters the wall of said body, respectively, and was formed in the outer wall of said pinching object. A pinching object is in the body, and only moves up and down to a lengthwise direction, and it becomes impossible to make it not rotate. Moreover, an up lid is fixed to the upper limit of the body fitting into the concave which forms a lobe in the wall upper limit edge of the body in accordance with a periphery, and is formed in the outer wall of an up lid in accordance with a periphery in this lobe. And it is characterized by carrying out as [break away / meet a periphery, and a wall pushes out in the lower limit section of the body, form in it the step which narrows a bore, and this pinching object separates and / caudad].

[0006] In a holder according to claim 2, said support seat is formed in midair for the design of claim 3. Two or more cells are arranged and contained to a serial inside, and an emitter fixed seat is prepared in the upper part of this support seat. In the side face of this support seat and an emitter fixed seat The long connection terminal which formed the notching slot on the lengthwise direction, respectively, and was bent to inverse L-shaped [of said emitter] it is characterized by having passed the small pore which contained into each notching slot and drilled another short connection terminal of an emitter in the center of an emitter fixed seat, having bent in the shape of L character, and making the electrode edge of a cell contact.

[0007]

[The gestalt of implementation of a design]

Hereafter, the gestalt of 1 operation of the holder of this design is explained in full detail with reference to drawing 1 – drawing 11. Drawing 1 and drawing 2 are perspective views which express the condition of having disassembled the holder 10 by this design, and the condition of having assembled, respectively. the protective cap 22 for the holder 10 by this design to protect the up lid 11, the luminescence construct 100 incorporated in this up lid 11, the body 15 of the cylindrical shape of internal hollow, the pinching object 16, the holder 19 that has a spiral guide slot, a supporter 20, the held object 21 inserted in this supporter 20, and the held object 21 according to illustration — since — it is constituted.

[0008]

The luminescence construct 100 included in said up lid 11 consists of **** caps 18 used as the spring 17 and the contact piece for energization which were prepared between the support seat 12, the illuminant fixed seat 13, an illuminant 14 and said support seat 12, and the pinching object 16. [0009]

Drawing 3 is the sectional view of the holder 10 by this design, and drawing 4 is an explanatory view which indicates the relation between the pinching object 16, a holder 19, and a supporter 20.

[0010] Said pinching object 16 is combined and used for one by attaching the concave in which the division objects 16a and 16b made into bilateral symmetry 2 ***'s were formed to the mutual contact side, and heights so that it may indicate to drawing 4.

[0011] Said pinching object 16 forms the interior in midair, an upper case is made into the hollow neck section 161 with a narrow diameter, the lower berth is made into the hollow stowage 162 where a diameter is long, and the concave 163 is formed in the lower limit edge of this hollow stowage 162 along with inner circumference.

Moreover, the guide slot 164 on the lengthwise direction is formed in a wall with said division objects 16a and 16b at the left and the right position of symmetry, respectively, and ***'s formation of the guide slot 165 is carried out further in the lengthwise direction also at the outer wall.

[0012] Said holder 19 is contained in the hollow stowage 162 of said pinching object 16, and the stop section 192 which formed said holder 19 in the shape of [in the air] a cylinder, formed two spiral guide slots 191 caudad from the upper limit, met the periphery of an outer wall in the lower limit edge, and was projected outside is formed, and as for this stop section 192, the lower limit edge of the pinching object 16 is stopped so that it may indicate to drawing 3.

Moreover, it is equipped with a holder 19 free [rotation] in the pinching object 16 by fitting in the concave 163 which formed the contact projected part 193 in the upper part of the stop section 192 in accordance with the periphery, and this contact projected part 193 formed in the wall of the pinching object 16.

moreover, the cylinder-like held objects 21 (for example, a rubber, a lip stick, a crayon, a stamp, etc.) should penetrate, and should make the spiral guide slot 191 of a holder 19 the guide projection 201 of a supporter 20 of the bilateral symmetry formed in the outer wall upper limit of a supporter 20 engaged in the guide slot 164 of the lengthwise direction of the pinching object 16 while the base is attached in the lower limit opening circles of a holder 19 — it is obtaining.

[0013] Association and relation of said pinching object 16, a holder 19, and a supporter 20, and the process of an assembly are indicated to drawing 5, drawing 6, and drawing 7.

First, the cylinder-like held object 21 is fitted in the base of a supporter 20 (refer to drawing 5).

Next, the guide projection 201 of a supporter 20 is inserted in Guide Mizouchi from the spiral guide slot 191 upper-limit section of a holder 19 (refer to drawing 6). The division objects 16a and 16b which are furthermore the pinching objects 16 are assembled, and holder 19 is contained inside (refer to drawing 7), and two guide projections 201 of a supporter 20 are inserted into the guide slot 164,165 on the lengthwise direction.

[0014] With the above combination, a supporter 20 is slid up and down along said guide slot 191 with rotation of a holder 19. Therefore, what is necessary is to rotate a holder 19 clockwise, and just to make hard flow rotate a holder 19 to lengthen the exposed part of a held object further, when the cylinder-like held object 21 is worn out, when [that] reverse.

[0015] A part of condition of inserting in drawing 8 the pinching object 16 which the aforementioned assembly completed into the body 15 is indicated with a sectional view.

According to illustration, it inserts into the guide slot 165 of the lengthwise direction which formed the guide projection 151 of bilateral symmetry in the location which counters the wall of the body 15, respectively, and was formed in the outer wall of the pinching object 16. The pinching object 16 is in the body 15, and it becomes impossible for this reason, to move up and down and rotate it to a lengthwise direction.

[0016]

Moreover, a lobe 152 is formed in the wall upper limit edge of the body 15 in accordance with a periphery, this lobe 152 fits in in the concave 111 formed in the outer wall of the up lid 11 in accordance with the periphery (refer to drawing 3), and the up lid 11 is fixed to the upper limit of the body 15.

Moreover, in accordance with a periphery, a wall pushes out in the lower limit section of the body 15, the step 153 which narrows a bore is formed in it, the pinching object 16 separates, and it is made not to break away caudad (refer to drawing 3).

Moreover, the upper limit of the pinching object 16 is covered with the ***'s cap 18, this ***'s cap 18 forms the flange section in a lower limit edge in accordance with a periphery, and this flange section 181 is supported on the flange 166 formed in the outer wall upper limit of the pinching object 16 in accordance with the periphery so that it may indicate to drawing 3.

[0017] Furthermore, a spring 17 is inserted between the flange section 181 of the ***'s cap 18, and the support seat 12. Moreover, the contact projection 182 is formed in the location of the center of the upper limit side of the ***'s cap 18.

[0018] The sectional view of the upper limit section of the holder 10 of this design is indicated to drawing 9 and drawing 10.

The support seat 12 is formed in midair inside, carries out 2 serials of the cell 23 inside, and contains it. The emitter fixed seat 13 is formed in the upper part of the support seat 12. The notching slots 121 and 131 on the lengthwise direction are formed in the side face of the support seat 12 and the emitter fixed seat 13, respectively, and the long connection terminal 141 bent to inverse L-shaped [of an emitter 14] is contained into these notching slots 121 and 131.

Moreover, another short connection terminal 142 passes the small pore 132 drilled in the center of the emitter fixed seat 13, is bent in the shape of L character, and contacts the electrode edge of a cell 23.

[0019] The ***'s cap 18 on the pinching object 16 is always in the dissociation condition that the contact projection 182 does not contact a cell 23, according to the energization force of a spring 17 (refer to drawing 9). If the pinching object 16 is pushed up and goes up from a lower part, the contact projection 182 of the ***'s cap 18 will contact a cell 23, and will energize and emit light to an emitter 14 (refer to drawing 10).

[0020] The busy condition of the holder by this design is shown in drawing 11. If the protective cap 22 of the holder 10 of this design is removed and the held object 21 of the shape of a cylinder of a lower limit is pushed on a flat surface, the pinching object 16 can resist a spring 17, and can go up, the contact projection 182 of the ***'s cap 18 can contact the electrode edge of a cell 23, an emitter 14 can emit light by energization, and the user of a holder 10 can be made to sense enjoyment by this photogenesis.

[0021] Moreover, if the press to the cylinder-like held object 21 is canceled, return and an emitter 14 will switch off the pinching object 16 in the original storage condition according to the energization force of a spring 17. Therefore, it can know whether the held object 21 has received press by this photogenesis.

Moreover, if the decoration covering 24 of the transparency quality of the material of various designs is attached on the up lid 11 of the body 15 so that it may indicate to drawing 12, the refraction effectiveness of the beam of light of an emitter 14 will be acquired.

Furthermore, by making small the whole holder 10 configuration of this design, it can also consider as the accessory for children and becomes convenient to carry.

[0022] [Effect of the Device]

The up lid which attached the holder by this invention in the upper limit of the body of a cylindrical shape, while always being caudad energized with a spring in the luminescence construct incorporated in this up lid, and the body of said cylindrical shape, being stopped by the

step formed in the inside lower limit of said body, escaping, and regulating a stop and being formed of the segmenter for 2 minutes. The pinching object which has the guide slot formed in the opposite location of each of said division object in the vertical direction. The holder which has the spiral guide slot arranged in the interior of said pinching object, and the supporter which was held at the upper limit section of this holder, and was inserted in the method of inside from upper limit opening. The held object which this supporter is equipped with the end face section, and the point made project from lower limit opening of said holder. Since it considered as the configuration consists of a protective cap for protecting a held object, and said spring is resisted at the time of use of said held object, it pushes up the metal cap of a luminescence construct, make flow through the connection terminal and cell of an emitter, and it was made to turn on an emitter, it has the following effectiveness.

- 1) If the held object 21 receives press in case the holder 10 of this invention is used, light will be energized and emitted to an emitter. For this reason, a user can be made to sense interest.
- 2) a configuration — ** — since it is small and convenient to carry, it is suitable for a juvenile accessory etc.
- 3) The structure of combination is strong, and it is extremely stable, and is hard to damage, and is use top convenience.

[Translation done.]

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DESCRIPTION OF DRAWINGS

[Brief Description of the Drawings]

Drawing 1] It is the decomposition perspective view showing the gestalt of the 1 operation about the holder of this design.

Drawing 2] It is the whole condition perspective view which assembled the holder by drawing 1.

Drawing 3] It is central drawing of longitudinal section of drawing 2.

Drawing 4] a part of condition that the pinching object 16 in the gestalt of 1 operation of the holder by this design, the holder 19, the supporter 20, and the held object 21 decomposed — it is a notch perspective view.

Drawing 5] the attachment condition of the supporter and the held object in drawing 4 is expressed — it is a notching sectional view a part.

Drawing 6] the attachment condition of the supporter and the held object in drawing 4, and a holder is expressed — it is a notching sectional view a part.

Drawing 7] the condition of having attached the supporter and the held object in drawing 4, the holder, and the pinching object is expressed — it is a fluoroscopy perspective view a part.

Drawing 8] the relation of the supporter and the body which are shown in drawing 7 is

expressed — it is a notch perspective view a part.

Drawing 9] the luminescence construct in this invention is explained and an emitter is in the condition of not emitting light — it is a sectional view a part.

Drawing 10] the luminescence construct in this invention is explained and an emitter is in a luminescence condition — it is a sectional view a part.

Drawing 11] It is central drawing of longitudinal section showing the busy condition of the holder in the gestalt of 1 implementation of this design.

Drawing 12] It is a perspective view showing the condition of the modification of the holder of this design being shown and having prepared decoration of transparency in the up lid.

[Description of Notations]

10 Holder

11 Up Lid

12 Support Seat

121 Notching Slot

13 Emitter Fixed Seat

131 Notching Slot

14 Emitter

141 Connection Terminal

142 Connection Terminal

15 Body

151 Guide Projection

16 Pinching Object

16a Division object

16b Division object

161 Hollow Neck Section

162 Hollow Stowage

163 Concave
164 Guide Slot
165 Guide Slot
166 Lobe
18 Metal Cap
181 Flange Section
182 Contact Projection
191 Spiral Guide Slot
192 Stop Section
193 Contact Projected Part
201 Guide Projection
21 Held Object
22 Protective Cap
23 Cell
24 Decoration Covering

[Translation done.]